

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/001298

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61M16/00 A61M16/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 741 208 A (JONSSON B ET AL) 26 June 1973 (1973-06-26)	1,4-6
Y	column 3, line 2 - column 8, line 7; figures 1-5	2,3,7,8, 10
X	EP 0 982 043 A (SIEMENS ELEMA AB) 1 March 2000 (2000-03-01) paragraph [0016] - paragraph [0029]; figure 3	1,2,4-6
Y	FR 2 812 203 A (SAIME SARL) 1 February 2002 (2002-02-01) cited in the application page 9, line 3 - page 31, line 9; figures 9-15	2,3,7,8
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

19 July 2004

Date of mailing of the international search report

24 AUG 2004

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/001298

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 839 545 A (TAEMA)	10
A	6 May 1998 (1998-05-06) column 6, line 1 - column 8, line 57; figures 1-3	11
A	----- FR 1 467 984 A (JACQUES RICHER) 19 April 1967 (1967-04-19) page 4, left-hand column, line 8 - line 52; figures 2,2A -----	9

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International application No.
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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 12-16
because they relate to subject matter not required to be searched by this Authority, namely:
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1,2

Breathing assistance apparatus with an inhalation valve having a leak generator.

2. claims: 1,3

Breathing assistance apparatus in which the pressurized gas source is a centrifugal fan.

3. claims: 1,4-6

Breathing assistance apparatus with a flow rate sensor in the expiratory duct.

4. claims: 1,7-9

Breathing assistance apparatus in which the inspiratory valve comprises a moving element made in two parts.

5. claims: 1,10-13

Breathing assistance apparatus which expiratory valve is controlled by a micro-turbine.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Claims Nos.: 12-16

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/001298

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3741208	A	26-06-1973	JP 55032386 B	25-08-1980
EP 0982043	A	01-03-2000	EP 0982043 A2	01-03-2000
			JP 2000070370 A	07-03-2000
			US 6679258 B1	20-01-2004
FR 2812203	A	01-02-2002	FR 2812203 A1	01-02-2002
			DE 60102422 D1	29-04-2004
			EP 1177810 A1	06-02-2002
			JP 2002119595 A	23-04-2002
			US 2002014239 A1	07-02-2002
EP 0839545	A	06-05-1998	FR 2755017 A1	30-04-1998
			BR 9704456 A	01-06-1999
			CA 2220907 A1	30-04-1998
			CN 1181274 A	13-05-1998
			EP 0839545 A1	06-05-1998
			JP 10216231 A	18-08-1998
			US 6173711 B1	16-01-2001
FR 1467984	A	19-04-1967	NONE	